

# United States Department of Agriculture

## SERVICE AND REGULATORY ANNOUNCEMENTS

### BUREAU OF ANIMAL INDUSTRY

APRIL 1933

[This publication is issued monthly for the dissemination of information, instructions, rulings, etc. concerning the work of the Bureau of Animal Industry. Free distribution is limited to persons in the service of the Bureau, establishments at which the Federal meat inspection is conducted, public officers whose duties make it desirable for them to have such information, and journals especially concerned. Others desiring copies may obtain them from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 5 cents each or 25 cents a year (foreign, 45 cents). A supply will be sent to each official in charge of a station or branch of the Bureau service, who should promptly distribute copies to members of his force. A file should be kept at each station for reference.]

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### CHANGES IN DIRECTORY

#### Meat Inspection Withdrawn

422. J. J. Harrington & Co., Inc., 419 East Forty-fourth Street, New York, N. Y.  
 922. August Young, Laconia Street, Lexington, Mass.

#### Meat Inspection Extended

3. Swift & Co., Chicago, Ill., to include North Packing & Provision Co.  
 71. Swift & Co., Jersey City, N. J., to include Derby Foods, Inc.  
 183. Foell Supply Co., Chicago, Ill., to include Mascot Packing Co.

#### Change in Address of Official Establishment

109. Virden Packing Co., Swift Avenue, South San Francisco, Calif., instead of Walker Avenue, San Francisco, Calif.

#### Change in Mail Address of Official Establishment

898. Peerless Packing Co., 3940 Normal Avenue, Chicago, Ill., instead of 4201 South Ashland Avenue.

#### Change in Address of Official in Charge

- Dr. W. K. Shidler, care Nevada Packing Co., Fourth and Alameda Streets, Reno, Nev., instead of 315-317 Clay-Peters Building.  
 C. D. Sherman, care Arnurius, Dunn & Co., 49 Commerce Street, Hartford, Conn., instead of care S. D. Chamberlin & Sons, 179 State Street.  
 Dr. R. A. Given, 10 Cladionis Building, Reno, Nev., instead of 315-317 Clay-Peters Building.  
 Dr. W. A. Sullivan, 308 State Capitol, Cheyenne, Wyo., instead of 310 State Capitol.  
 Dr. A. J. De Fosset, P. O. box 416, office 708 Ohio Departments Building, Columbus, Ohio, instead of sixth floor, Ohio-Hartman Building.

## Substation Discontinued

Lexington, Mass., meat inspection, under Boston, Mass.

## Note

The headquarters of Dr. Roy E. Jackson, 44 Post Office Building, Birmingham, Ala., inspector in charge of hog cholera; tick eradication; transportation of cattle from quarantined areas; tuberculosis eradication; and public stockyards inspection at Montgomery, Ala., has been transferred to 447 New Post Office Building, Montgomery, Ala.

## NOTICE REGARDING MEAT INSPECTION

## FOREIGN MEAT-INSPECTION OFFICIAL

Name and specimen signature of a foreign official who has been authorized by his national government to sign and issue foreign meat-inspection certificates for meat and meat food products exported to the United States.

Country and name	Signature
<i>Brazil</i> Dr. Epaminondas Alves de Souza.	<i>Epaminondas Alves de Souza</i>

ANIMALS SLAUGHTERED UNDER FEDERAL MEAT INSPECTION, MARCH 1933<sup>1</sup>

Station	Cattle	Calves	Sheep and lambs	Goats	Swine
Baltimore.....	6,315	1,825	1,075	-----	61,744
Buffalo.....	5,006	3,325	6,519	-----	53,147
Chicago.....	100,943	32,484	232,219	-----	435,848
Cincinnati.....	10,701	7,572	14,229	-----	77,150
Cleveland.....	2,563	(?)	(?)	-----	33,910
Denver.....	5,858	1,396	(?)	-----	39,060
Detroit.....	4,674	5,825	8,586	-----	60,714
Fort Worth.....	17,761	7,510	56,431	-----	56,086
Kansas City.....	45,223	17,737	132,548	-----	214,299
Los Angeles.....	10,367	1,852	26,504	-----	27,886
Milwaukee.....	15,260	60,757	5,205	-----	85,807
National Stock Yards.....	42,612	24,617	34,091	-----	287,232
New York.....	26,656	48,011	220,411	-----	(?)
Omaha.....	66,356	3,440	134,421	-----	162,327
Philadelphia.....	6,513	9,370	18,778	-----	75,291
Sioux City.....	27,517	1,230	60,090	-----	114,113
South St. Joseph.....	22,006	(?)	(?)	-----	77,148
South St. Paul.....	40,227	54,505	49,647	-----	160,853
All other stations.....	160,451	116,997	412,603	1,097	1,579,161
Total:					
March, 1933.....	617,009	398,453	1,413,357	1,097	3,601,776
March, 1932.....	632,631	420,434	1,427,739	1,055	3,664,002
9 months ended:					
March 1933.....	5,650,749	3,205,304	12,879,295	5,686	32,938,286
March 1932.....	6,070,841	3,383,796	14,190,796	6,709	34,877,942
New York, Brooklyn, Jersey City and Newark <sup>3</sup> .....	34,596	60,331	269,428	-----	186,302

<sup>1</sup> Horses slaughtered:

March 1933.....	2,088
March 1932.....	3,128
9 months ended:	
March 1933.....	43,712
March 1932.....	84,343

<sup>2</sup> Included in "All other stations."

<sup>3</sup> The slaughter figures in this group of cities are included in the figures above for "New York" and "All other stations" and are combined here to show total in the Greater New York district.

Inspections of lard at all establishments, 144,849,251 inspection pounds; compound and other substitutes, 26,797,084 inspection pounds; sausage, 49,693,609 inspection pounds; oleomargarine, 7,583,531 inspection pounds.

Corresponding inspections for March, 1932: Lard, 144,523,884 inspection pounds; compound and other substitutes, 24,524,224 inspection pounds; sausage, 48,842,265 inspection pounds; oleomargarine, 7,052,955 inspection pounds.

(These totals of inspection pounds do not represent actual production as the same product may have been inspected and recorded more than once in the process of manufacture.)

## CAUSES OF CONDEMNATIONS OF CARCASSES, FEBRUARY 1933

Cause	Cattle	Calves	Sheep and lambs	Swine
Emaciation.....	283	239	109	25
Hog cholera.....				818
Inflammatory diseases.....	899	267	437	2, 261
Immaturity.....		563		
Tuberculosis.....	1, 235	22	1	2, 810
Other causes.....	807	194	621	4, 159
Total.....	3, 224	1, 285	1, 168	10, 073

## IMPORTS OF FOOD ANIMALS AND OF MEATS AND MEAT FOOD PRODUCTS, MARCH 1933

The statements following show the imports of food animals and of meats and meat food products inspected by the Bureau of Animal Industry during March 1933, with figures for other periods for comparison:

*Imports of food animals*

Country of origin	Cattle	Swine	Sheep	Goats
Mexico.....	7, 102		1	22
Canada.....	87	22	31	
Virgin Islands (to Puerto Rico).....	70	5		6
Total:				
March 1933.....	7, 259	27	32	28
March 1932.....	5, 122	11	6	
9 months ended:				
March 1933.....	66, 291	957	1, 161	125
March 1932.....	69, 562	1, 091	1, 885	68

*Imported meats and meat food products*

Country of origin	Fresh and refrigerated		Cured and canned	Other meat products	Total weight
	Beef	Other			
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
Argentina.....			772, 340	12, 880	785, 220
Australia.....	3, 522			10, 920	14, 442
Brazil.....			102, 041		102, 041
Canada.....		49, 514	170, 822	75, 139	295, 475
New Zealand.....	1, 591	2, 045	288	2, 640	6, 564
Paraguay.....			7, 200		7, 200
Uruguay.....			648, 184		648, 184
Other countries.....			136, 247	14, 734	150, 981
Total:					
March 1933.....	5, 113	51, 559	1, 837, 122	116, 313	2, 010, 107
March 1932.....	35, 524	172, 445	2, 096, 578	219, 390	2, 523, 937
9 months ended:					
March 1933.....	336, 581	778, 390	22, 525, 785	2, 286, 113	25, 926, 869
March 1932.....	425, 484	921, 287	19, 183, 115	3, 194, 692	23, 724, 578

Condemned in March 1933: Beef, 57 pounds.

Refused entry: Beef, 543 pounds; pork, 1,641 pounds; total, 2,184 pounds.

## SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, MARCH 1933

State or Territory	Tuberculin tests during month		Total to date						Inspector in charge	State official
	Cattle tested	Cattle retested	Modified accredited counties		Once-tested-free herds	Accredited herds	Herds under supervision			
			No.	Per cent						
Ala.....	12,662	5	17	25	65,037	316	65,353	R. E. Jackson....	C. A. Cary, Auburn.	
Ariz.....	15,141	111	0	0	8,985	46	9,099	F. L. Schneider..	C. T. Guilfoyle, Phoenix.	
Ark.....	1,931	0	7	9	28,555	9	28,564	S. H. Still.....	C. D. Stubbs, Little Rock.	
Calif.....	28,800	228	6	10	21,227	123	21,921	W. E. Howe.....	C. U. Duckworth, Sacramento.	
Colo.....	901	1	0	0	13	44	68	J. O. Wilson.....	C. G. Lamb, Denver.	
Conn.....	14,757	552	1	13	2,189	7,671	10,239	R. L. Smith.....	Charles Johnson, Hartford.	
Del.....	4,137	51	1	33	4,854	2,128	7,443	E. B. Simonds....	Ralph C. Wilson, Dover.	
D.C.....	0	0	1	100	45	2	46	A. E. Wight.....	J. V. Knapp, Tallahassee.	
Fla.....	32,412	32	32	48	15,050	91	15,549	T. W. Cole.....	J. M. Sutton, Atlanta.	
Ga.....	12,968	6	70	44	122,858	36	122,894	W. C. Dendinger..	Thomas W. White, Boise.	
Idaho.....	9,116	40	44	100	51,359	42	51,420	John T. Dallas....	D. W. Robison, Springfield.	
Ill.....	112,445	791	88	86	86,073	5,831	240,637	J. J. Lintner.....	Frank H. Brown, Indianapolis.	
Ind.....	11,613	78	92	100	182,541	2,576	187,397	H. Busman.....	Ray Murray, Des Moines.	
Iowa.....	40,426	344	75	76	100,000	1,709	200,000	J. A. Barger.....	J. H. Mercer, Topeka.	
Kans.....	8,310	44	61	58	118,646	564	119,190	N. L. Townsend....	D. E. Westmorland, Frankfort.	
Ky.....	10,595	45	96	80	132,601	20	135,133	W. F. Biles.....	E. P. Flower, Baton Rouge.	
La.....	4,902	51	0	0	5,449	8	5,760	W. A. McDonald...	H. M. Tucker, Augusta.	
Maine.....	6,356	18	16	100	43,041	745	43,817	J. R. Corliss.....	James B. George, Baltimore.	
Md.....	16,658	149	5	22	22,558	13,452	44,410	E. B. Simonds....	E. F. Richardson, Boston.	
Mass.....	27,425	2,677	2	14	10,104	5,803	17,162	E. A. Crossman....	C. H. Clark, Lansing.	
Mich.....	23,878	48	83	100	196,476	57	196,646	T. S. Rich.....	C. E. Cotton, St. Paul.	
Minn.....	77,020	340	63	72	143,694	4,461	149,226	W. J. Fretz.....	Charles E. O'Neal, Jackson.	
Miss.....	2,394	3	10	12	28,704	14	28,737	H. Robbins.....	H. A. Wilson, Jefferson City.	
Mo.....	8,829	21	25	22	114,508	177	127,045	Ralph Graham....	W. J. Butler, Helena.	
Mont.....	5,116	4	19	34	42,031	92	42,119	J. W. Murdoch....	H. L. Feistner, Lincoln.	
Nebr.....	18,018	126	49	53	88,106	88	88,221	A. H. Francis.....	Edward Records, Reno.	
Nev.....	1,355	1	17	100	4,536	4	5,255	R. A. Given.....	A. L. Felker, Concord.	
N.H.....	20,934	92	7	70	6,735	9,633	16,416	E. A. Crossman....	J. H. McNeil, Trenton.	
N.J.....	20,133	1,173	0	0	3,966	8,994	14,362	Ellis E. McCoy....	W. A. Naylor, Albuquerque.	
N.Mex.....	4,579	30	2	7	6,100	27	6,263	F. L. Schneider..	E. T. Faulder, Albany.	
N.Y.....	73,663	4,738	12	19	38,610	84,926	130,982	H. B. Leonard....	William Moore, Raleigh.	
N.C.....	2,047	9	100	100	256,582	289	256,871	A. L. Hirleman....	T. O. Brandenburg, Bismarck.	
N.Dak.....	8,014	21	53	100	73,237	5,481	85,953	H. H. Cohenour....	D. C. Hyde, Columbus.	
Ohio.....	77,047	479	88	100	242,011	541	243,561	A. J. De Fosset....	C. C. Hise, Oklahoma City.	
Okla.....	9,456	30	8	10	24,443	206	24,660	L. J. Allen.....	W. H. Lytle, Salem.	
Oreg.....	13,748	79	26	72	77,038	1,124	78,183	S. B. Foster.....		



## SUMMARY OF TUBERCULOSIS-ERADICATION WORK IN COOPERATION WITH STATES, MARCH 1933—Continued

State or Territory	Tuberculin tests during month		Total to date					Inspector in charge	State official
	Cattle tested	Cattle re-tested	Modified accredited counties		Once-tested-free herds	Accredited herds	Herds under supervision		
			No.	Per-cent					
Pa.....	70,576	5,161	50	75	135,095	8,282	164,834	J. B. Reidy.....	T. E. Munce, Harrisburg.
R.I.....	322	7	0	0	669	344	1,294	E. A. Crossman..	T. E. Robinson, Providence.
S.C.....	4,885	0	32	70	77,634	126	77,767	W. K. Lewis.....	W. K. Lewis, Columbia.
S.Dak.....	5,454	207	6	9	9,407	953	10,619	C. H. Hays.....	T. H. Ruth, Pierre.
Tenn.....	23,862	45	145	47	158,196	60	158,340	H. L. Fry.....	J. M. Jones, Nashville.
Tex.....	16,304	64	11	4	37,112	219	37,796	H. L. Darby.....	L. C. Crabb, Fort Worth.
Utah.....	3,872	15	25	86	5,490	120	5,977	F. E. Murray.....	W. H. Hendricks, Lake City.
Vt.....	22,785	2,585	22	14	3,827	11,825	17,243	L. H. Adams.....	Edward H. Jones, Montpelier.
Va.....	14,200	100	74	74	126,323	697	127,276	R. E. Brookbank.	H. C. Givens, Richmond.
Wash.....	18,170	129	36	92	50,857	64	64,602	J. C. Exline.....	Robert Prior, Olympia.
W.Va.....	13,181	26	49	89	104,243	639	106,048	H. M. Newton.....	J. B. McLaughlin, Charleston.
Wis.....	94,191	535	71	100	182,677	9,007	193,248	J. S. Healy.....	Walter Wisnicky, Madison.
Wyo.....	3,246	23	0	0	12,916	5	14,514	W. A. Sullivan.....	H. D. Port, Cheyenne.
Hawaii.....	669	1	0	0	-----	-----	600	L. E. Case.....	L. E. Case, Honolulu.
Total.....	1,029,503	21,315	1,577	51	3,272,408	189,671	3,800,760		

<sup>1</sup> Not including part of 1 county.<sup>2</sup> Not including 74 towns.

## SUMMARY OF HOG-CHOLERA-CONTROL WORK, MARCH 1933

State	Bureau veterinarians engaged in work <sup>1</sup>	Meetings addressed	Premises investigated	Demonstrations		Autopsies performed	Out-breaks reported to Bureau veterinarians
				Number	Hogs treated		
Alabama.....	1	4	98	1	10	5	1
Florida.....	1	1	169	91	1,859	3	-----
Georgia.....	1	-----	202	-----	-----	-----	-----
Illinois.....	3	7	233	1	10	68	44
Indiana.....	2	1	176	-----	-----	17	18
Iowa.....	2	-----	35	-----	-----	7	14
Kansas.....	7	-----	85	-----	-----	-----	-----
Kentucky.....	2	4	252	1	34	27	15
Louisiana.....	1	-----	51	13	190	1	9
Maryland.....	2	5	287	-----	-----	9	3
Michigan.....	1.5	-----	46	1	216	2	2
Mississippi.....	1.03	1	164	4	50	3	-----
Missouri.....	1	2	59	-----	-----	20	22
Nebraska.....	1	4	42	-----	-----	8	2
North Carolina.....	1	-----	46	-----	405	6	5
Ohio.....	1.5	-----	50	1	119	6	19
Oklahoma.....	2	1	292	-----	-----	8	15
South Carolina.....	1	-----	71	51	730	2	7
South Dakota.....	1	-----	23	5	43	3	1
Tennessee.....	1	30	52	10	156	20	3
Texas.....	1	-----	53	-----	-----	-----	12
Virginia.....	1	6	261	-----	-----	4	2
Washington.....	1	3	84	-----	-----	5	-----
Oregon.....	1	-----	16	1	2	8	5
Wisconsin.....	1	-----	-----	-----	-----	-----	-----
Total.....	31.73	69	2,847	181	3,824	232	199

<sup>1</sup> Fractions denote veterinarians devoting part time to work.

NOTE.—No work reported from States not listed.

# **ANTI-HOG-CHOLERA SERUM AND HOG-CHOLERA VIRUS PRODUCED UNDER LICENSES, MARCH 1933**

Period	Total serum	Clear serum completed	Hyperimmune blood cleared	Simultaneous virus	Hyperimmunizing virus
	Cc	Cc	Cc	Cc	Cc
March 1933.....	67, 934, 068	63, 823, 931	79, 111, 884	2, 304, 174	11, 311, 322
March 1932.....	120, 652, 212	106, 565, 912	133, 756, 995	2, 344, 355	24, 910, 139
9 months ended:					
March 1933.....	619, 988, 549	565, 672, 407	669, 955, 891	36, 271, 164	112, 795, 589
March 1932.....	831, 535, 965	719, 654, 396	887, 646, 353	42, 578, 676	171, 050, 687

## **LICENSES ISSUED FOR BIOLOGICAL PRODUCTS, MARCH AND APRIL 1933**

License no. 3 was issued April 12, 1933, to the Mulford Biological Laboratories, Sharp & Dohme, Glenolden, Pa., and Broad and Wallace Streets, Philadelphia, Pa. (mailing address, Glenolden, Pa.), for: Anthrax antigen; anthrax vaccine; antianthrax serum; antibacterial serum mixed (canine); antiblackleg serum; antibovine-abortion serum; antiequine-abortion serum; antiequine-influenza serum; antihemorrhagic-septicemia serum; antihemorrhagic-septicemia serum (swine); antipyogenes bacillus serum (bovine); antistreptococci serum (equine); antivenin; antiwhite-scur serum (bovine); autogenous bacterin; blackleg aggressin; blackleg bacterin; blackleg filtrate; blackleg vaccine; boutlinus antitoxin; bovine-abortion serovaccine; enteritis mixed bacterin (swine); equine-abortion bacterin (mixed); equine-abortion serobacterin (mixed); equine-influenza bacterin (mixed); equine-influenza serobacterin (mixed); fowl-cholera bacterin; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia aggressin (bovine); hemorrhagic-septicemia aggressin (equine); hemorrhagic-septicemia bacterin; hemorrhagic-septicemia bacterin (bovine); hemorrhagic-septicemia bacterin (equine); hemorrhagic-septicemia bacterin (sheep); hemorrhagic-septicemia bacterin (swine); hemorrhagic-septicemia serovaccine (bovine); johnin; mallein; mastitis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (equine); mixed bacterin (swine); mixed serobacterin (canine); navel-ill mixed bacterin (equine); normal horse serum; polyvalent bacterin mixed (canine); polyvalent bacterin mixed (rabbits); rabies vaccine; staphylobacterin (equine); strepto-bacterin (equine); tetanus antitoxin; tuberculin; tuberculin (avian); and white-scur serobacterin mixed (bovine).

License no. 4 was issued March 21, 1933, to the Abbott Laboratories, Fourteenth Street and Sheridan Road, North Chicago, Ill., for: Autogenous bacterin; equine-influenza bacterin; hemorrhagic-septicemia bacterin; mammitis mixed bacterin (bovine); mixed bacterin (for rabbits); mixed bacterin (bovine); mixed bacterin (canine); mixed bacterin (for fowls); mixed bacterin (for swine); polyvalent mixed bacterin (equine); pulmonary mixed bacterin (bovine); pulmonary mixed bacterin (for swine); and staph-strep bacterin (canine).

License no. 6-A was issued March 24, 1933, to Pitman-Moore Co., Division of Allied Laboratories, Inc., near Zionsville, Ind., (mailing address, 1220 Madison Avenue, Indianapolis, Ind.), for: Abortion vaccine (bovine); antiabortion serum (bovine); antiblackleg serum; anticalf-scur serum; anticanine distemper serum (homologous); antihemorrhagic-septicemia serum; anti-influenza serum (equine); antimastitis serum (bovine); antimixed-infection serum (canine); antiswine-erysipelas serum; autogenous bacterin; avian tuberculin; blackleg aggressin; blackleg bacterin; calf-scur mixed bacterin; canine-distemper mixed antigens; canine-distemper tissue vaccine; canine-distemper virus; chicken-pox vaccine; enteritis mixed bacterin (swine); equine-influenza mixed bacterin; fowl cholera bacterin; fowl typhoid-cholera bacterin; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia bacterin; keratitis mixed bacterin (bovine); mallein; mastitis mixed bacterin (for cattle); metritis mixed bacterin (for cattle); mixed bacterin (bovine); mixed bacterin (canine); mixed bacterin (for fowl); mixed bacterin (for swine); navel-ill mixed bacterin (equine); normal bovine serum; normal horse serum; pulmonary mixed bacterin (bovine); pulmonary mixed bacterin (swine); rabies vaccine; strep-staph coli bacterin (for horses); swine erysipelas vaccine (cultivos del mal rojo) (for export only); tetanus antitoxin; and tuberculin.

License no. 9 was issued April 7, 1933, to Lederle Laboratories, Inc., Middletown Road, Pearl River, N.Y., for: Abortion vaccine (bovine); anthrax spore vaccine; antianthrax serum; antiblackleg serum; anticanine-distemper serum; anticanine mixed-infection serum; antihemorrhagic-septicemia serum; anti-hog-cholera serum; anti-influenza serum (equine); antimastitis serum (bovine);

antiswine-erysipelas serum; antiwhite-scour serum (bovine); autogenous vaccine (killed organisms); avian tuberculin; blackleg aggressin; blackleg filtrate; blackleg tissue vaccine; blackleg vaccine (killed organisms); botulinus antitoxin (polyvalent); canine-distemper vaccine; canine-distemper virus; equine-influenza mixed vaccine (killed organisms); fowl-pox vaccine; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia vaccine (killed organisms); hemorrhagic-septicemia vaccine (avian) (killed organisms); hemorrhagic-septicemia combined vaccine (bovine) (killed organisms); hemorrhagic-septicemia combined vaccine (bovine) (killed organisms); hemorrhagic-septicemia combined vaccine (porcine) (killed organisms); hog-cholera virus; mallein; mastitis mixed vaccine (bovine) (killed organisms); mixed bacterial vaccine (avian) (killed organisms); mixed bacterial vaccine (bovine) (killed organisms); mixed bacterial vaccine (canine) (killed organisms); mixed bacterial vaccine (equine) (killed organisms); mixed bacterial vaccine (porcine) (killed organisms); normal horse serum; rabies vaccine; staphylococcus combined vaccine (equine) (killed organisms); streptococcus combined vaccine (equine) (killed organisms); swine-erysipelas vaccine (cultivos del mal rojo) (for export only); tetanus antitoxin; tuberculin; and white-scours vaccine mixed (bovine) (killed organisms).

License no. 17 was issued March 24, 1933, to the Beebe Laboratories, Inc., Larpenteur Avenue and White Bear Car Line, St. Paul, Minn. (mailing address, box 3174, Commercial Station), for: Abortion mixed bacterin (equine); abortion vaccine (bovine); anticalf-scour serum; avian tuberculin; blackleg aggressin; blackleg bacterin; blackleg vaccine; calf-scour bacterin (mixed); equine-influenza bacterin (mixed); fowl-pox vaccine; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia bacterin; hemorrhagic-septicemia bacterin (for fowls); hemorrhagic-septicemia vaccine (for cattle); mastitis bacterin mixed (for cattle); mixed bacterin (avian); mixed bacterin (for cattle); mixed bacterin (for rabbits); mixed bacterin (for swine); navel-ill bacterin mixed (for colts); normal horse serum; polyvalent bacterin mixed (canine); polyvalent bacterin mixed (equine); tetanus antitoxin; and tuberculin.

License no. 21 was issued April 4, 1933, to the Continental Serum Laboratories Co., Isett Avenue, Muscatine, Iowa, for: Anti-influenza mixed bacterin (equine); autogenic bacterin; blackleg aggressin; blackleg bacterin; blackleg filtrate; blackleg vaccine; colon bacterin (bovine); hemorrhagic-septicemia bacterin; mastitis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (swine); navel-ill mixed bacterin (equine); and polyvalent mixed bacterin (equine).

License no. 34 was issued April 4, 1933, to the Peters Serum Co., South Second Street and Myers Avenue, Kansas City, Kans., and Third Floor LaHines Building, 1611 Genesee Street, Kansas City, Mo. (mailing address, Livestock Exchange Building, Kansas City, Mo.), for: Abortion vaccine (bovine); anti-hog-cholera serum; avian hemorrhagic-septicemia bacterin; blackleg aggressin (cultural); blackleg bacterin; enteritis mixed bacterin (swine); fowl-cholera and fowl-typhoid bacterin; hemorrhagic-septicemia bacterin; hog-cholera virus; keratitis mixed bacterin (bovine); mastitis mixed bacterin (bovine); metritis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); and mixed bacterin (swine).

License no. 41 was issued April 4, 1933, to the Kinsley Laboratories, 1103 East Forty-seventh Street (suites 2 to 6 inclusive, Troost Building), Kansas City, Mo., and 211 Central Avenue, Kansas City, Kans., for: Abortion bacterin (equine); abortion vaccine (bovine); anticanine-distemper serum; autogenous bacterin; canine-distemper antigen; enteritis mixed bacterin (swine); fowl-typhoid mixed bacterin; hemorrhagic-septicemia bacterin; hemorrhagic-septicemia combined bacterin (avian); influenza mixed bacterin (equine); keratitis mixed bacterin (bovine); mastitis mixed bacterin (bovine); metritis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (canine); mixed bacterin (ovine); mixed bacterin (swine); polyvalent mixed bacterin (equine); pulmonary mixed bacterin (swine); pyaemic arthritis mixed bacterin (equine); staphylococcus combined bacterin (canine); streptococcus bacterin (equine); and white-scour mixed bacterin (bovine).

License no. 52 was issued April 14, 1933, to the Cutter Laboratory, Fourth and Parker Streets, Seventh Street and Dwight Way, and Eighth Street and Dwight Way, Berkeley, Calif., for: Anaerobic antitoxins; anthrax aggressin; anthrax vaccine; antianthrax serum; antiblackleg serum; anticalf-scour serum; anticanine-distemper serum (homologous); antidistemper and anti-influenza serum (equine); antihemorrhagic-septicemia serum; antihemorrhagic-septicemia serum (bovine); antihemorrhagic-septicemia serum (ovine); antimastitis serum (bovine); antimixed-infection serum (canine); antimixed-infection serum (swine);



antinelvill serum (equine); autogenous bacterin; *B. abortus* bacterin (equine); bacillus-abortus vaccine (bovine); bacillus hemolyticus bacterin; blackleg aggressin (cultural); blackleg aggressin (natural); blackleg bacterin; blackleg vaccine; calf-scour mixed bacterin; canine-distemper antigen; chicken-pox vaccine; feline-distemper bacterin; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia bacterin; influenza mixed bacterin (equine); mallein; mastitis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (canine); mixed bacterin (rabbits); mixed bacterin (swine); navel-ill mixed bacterin (equine); normal serum (bovine); normal serum (equine); pneumonia mixed bacterin (equine); polyvalent mixed bacterin (equine); rabies vaccine; staphylococcus bacterin (canine); staphylococcus bacterin (goats); streptococcus bacterin (equine); tetanus antitoxin; tuberculin; and tuberculin (avian).

License no. 107 was issued April 15, 1933, to the Jensen-Salsbery Laboratories, Inc., Twenty-first and Penn Streets, Kansas City, Mo., and Eleventh Street and Douglas Avenue, Kansas City, Kans., for: Anthrax aggressin; anthrax spore vaccine; antiabortion serum (bovine); antianthrax serum; antiblackleg serum; anticalf-scour serum; anticanine-distemper serum; antienteritis serum (feline); antienteritis serum (swine); antiequine influenza bacterin (mixed); antihemorrhagic-septicemia serum; anti-hog-cholera serum; anti-influenza serum (equine); antimastitis serum (bovine); antimixed infection serum (avian); antimixed infection serum (canine); antinelvill serum (equine); antiswine-erysipelas serum; autogenous bacterin; avian tuberculin; avisepticus sanguinarum bacterin; blackleg aggressin; blackleg bacterin; botulinus antitoxin; bovine-abortion vaccine; canine-distemper antigen; canine-distemper vaccine; canine-distemper virus; enteritis mixed bacterin (swine); equine-abortion bacterin; fowl-pox vaccine; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia bacterin; hog-cholera virus; infectious-rhinitis mixed bacterin (swine); johnin; keratitis mixed bacterin (bovine); mallein; mastitis mixed bacterin (bovine); metritis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (canine); mixed bacterin (cat); mixed bacterin (ovine); mixed bacterin (rabbits); navel-ill mixed bacterin (equine); normal bovine serum; normal horse serum; pneumonia mixed bacterin (bovine); pneumonia mixed bacterin (swine); polyvalent mixed bacterin (equine); pullorin; rabies vaccine; staphylococcus bacterin (canine); streptococcus mastitis bacterin (bovine); tetanus antitoxin; tuberculin; and white-scour mixed bacterin (bovine).

License no. 112 was issued April 24, 1933, to the Fort Dodge Serum Co., Inc., 600½ Central Avenue and 300 First Avenue, South Fort Dodge, Iowa, and 2 miles from city in Douglas Township, for: Abortion vaccine (bovine); anthrax vaccine; antiabortion serum (bovine); antiblackleg serum; anticalf-scour serum; antiequine-influenza serum; antihemorrhagic-septicemia serum; antihemorrhagic-septicemia serum (for cattle); antihemorrhagic-septicemia serum (for swine); anti-hog-cholera serum; antinammitis serum (bovine); antimixed infection serum (canine); antipig-scour serum; autogenous bacterin; avian tuberculin; blackleg aggressin; blackleg bacterin; blackleg filtrate; blackleg vaccine; botulinus antitoxin (polyvalent); calf-scour mixed bacterin; canine-distemper vaccine; enteritis mixed bacterin (swine); equine-influenza bacterin; equine-influenza mixed bacterin; fowl-pox vaccine; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia bacterin; hemorrhagic-septicemia bacterin (avian); hemorrhagic-septicemia bacterin (cattle); hemorrhagic-septicemia bacterin (equine); hemorrhagic-septicemia bacterin (rabbits); hemorrhagic-septicemia bacterin (sheep); hemorrhagic-septicemia bacterin (swine); hog-cholera virus; keratitis mixed bacterin (bovine); mallein; mastitis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (canine); mixed bacterin (sheep); mixed bacterin (swine); navel-ill mixed bacterin (equine); normal serum (bovine); normal horse serum; pneumonia mixed bacterin (equine); polyvalent mixed bacterin (equine); pullorin; rabies vaccine; staph-strep bacterin (canine); tetanus antitoxin; and tuberculin.

License no. 124 was issued March 9, 1933, to the Anchor Serum Co., south of stockyards, South St. Joseph, Mo. (mailing address, Livestock Exchange Building), for: Keratitis mixed bacterin (bovine); and mixed bacterin (bovine). (This license was terminated on March 20, as indicated under "Licenses Terminated.")

License no. 124, was issued March 20, 1933, to the Anchor Serum Co., south of stockyards, South St. Joseph, Mo. (mailing address, Livestock Exchange Building), for: Anti-hog-cholera serum; blackleg aggressin; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia bacterin; hog-cholera virus; keratitis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (porcine); pig-scours mixed bacterin; and white-scours mixed bacterin (bovine).



License no. 133 was issued March 21, 1933, to the National Vaccine and Serum Co., 443 and 447-501 East Las Vegas Street, Colorado Springs, Colo., for: Abortion vaccine (bovine); blackleg aggressin; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia bacterin; mixed bacterin (avian); and mixed bacterin (porcine).

License no. 148 was issued March 20, 1933, to the W. F. Straub Laboratories, Inc., 5514-5520 Northwest Highway, Chicago, Ill., for: Autogenous bacterin; avian hemorrhagic-septicemia bacterin; avian mixed bacterin; bovine-abortion vaccine; bovine hemorrhagic-septicemia bacterin; bovine-keratitis mixed bacterin; bovine mastitis streptococcus bacterin; bovine mixed bacterin; bovine pulmonary mixed bacterin; calf-scur mixed bacterin; canine mixed bacterin; canine staphylococcus bacterin; equine-abortion mixed bacterin; equine hemorrhagic-septicemia bacterin; equine-influenza mixed bacterin; equine mixed polyvalent bacterin; equine navel-ill mixed bacterin; fowl cholera-typhoid bacterin; hemorrhagic-septicemia bacterin; ovine hemorrhagic-septicemia bacterin; ovine mixed bacterin; pig-scur mixed bacterin; roup bacterin; swine hemorrhagic-septicemia bacterin; and swine mixed bacterin.

License no. 158 was issued April 7, 1933, to the Globe Laboratories, near Fostepco Heights, Fort Worth, Tex. (mailing address, P.O. box 4145, Stockyards Station), for: Abortion vaccine (bovine); anti-hog-cholera serum; autogenous bacterin; blackleg aggressin (cultural); blackleg aggressin (natural); blackleg bacterin; calf-scur mixed bacterin; enteritis mixed bacterin (swine); fowl-pox vaccine; fowl-typhoid mixed bacterin; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia bacterin; hemorrhagic-septicemia bacterin (avian); hog-cholera virus; influenza mixed bacteria (equine); keratitis mixed bacterin (bovine); mastitis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (canine); mixed bacterin (equine); mixed bacterin (ovine); mixed bacterin (rabbits); mixed bacterin (swine); navel-ill mixed bacterin (equine); pulmonary mixed bacterin (bovine); pulmonary mixed bacterin (swine); and roup bacterin.

License no. 164 was issued March 20, 1933, to the J. F. DeVine Laboratories, Inc., 34½ St. John Street, Goshen, N.Y., for: Autogenous bacterin; bovine-abortion vaccine; calf-scur mixed bacterin; equine-abortion bacterin; equine-influenza bacterin (mixed); hemorrhagic-septicemia bacterin; hemorrhagic-septicemia bacterin (avian); hemorrhagic-septicemia bacterin (bovine); hemorrhagic-septicemia bacterin (ovine); keratitis mixed bacterin (bovine); mastitis mixed bacterin (bovine); metritis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (canine); mixed bacterin (swine); navel-ill mixed bacterin (equine); polyvalent mixed bacterin (equine); staphylococcus bacterin (canine); streptococcus mastitis bacterin (bovine); and swine-plague bacterin.

License no. 180 was issued March 20, 1933, to the Klusmire Biologic Laboratories, Thirteenth Street and Bellevue Boulevard, Omaha, Nebr. (mailing address, 2509 O Street, Omaha, Nebr.), for: Avian mixed bacterin; blackleg aggressin; bovine-abortion vaccine; bovine hemorrhagic-septicemia bacterin; bovine keratitis mixed bacterin; bovine mixed bacterin; calf-scours mixed bacterin; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia bacterin; ovine mixed bacterin; pig-scours mixed bacterin; pullorin; swine hemorrhagic-septicemia bacterin; and swine mixed bacterin.

License no. 189 was issued March 23, 1933, to the Norden Laboratories, 227 North Ninth Street, Lincoln, Nebr., for: Autogenous bacterin; avisepticus sanguinarium bacterin; blackleg aggressin (cultural); blackleg bacterin; bovine-abortion vaccine; enteritis mixed bacterin (swine); hemorrhagic-septicemia bacterin; influenza mixed bacterin (equine); keratitis mixed bacterin (bovine); mastitis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (canine); mixed bacterin (swine); navel-ill mixed bacterin (equine); polyvalent mixed bacterin (equine); pullorin; pulmonary mixed bacterin (bovine); pulmonary mixed bacterin (swine); and white-scours mixed bacterin (bovine).

License no. 190 was issued April 19, 1933, to the National Drug Co., 5109 and 5111 Germantown Avenue, Philadelphia, Pa., and Swiftwater, Pa. (mailing address, 4679 Stenton Avenue, Philadelphia, Pa.), for: Abortion bacterin (equine); hemorrhagic-septicemia bacterin (bovine); hemorrhagic-septicemia bacterin (ovine); hemorrhagic-septicemia mixed bacterin (bovine); influenza mixed bacterin (equine); mastitis mixed bacterin (bovine); mixed bacterin (canine); rabies vaccine; strepto-staphylo bacterin (canine); strepto-staphylo bacterin (equine); swine-plague mixed bacterin; tetanus antitoxin; tuberculin; and white-scours mixed bacterin (bovine).

License no. 191 was issued March 22, 1933, to Ashe Lockhart, Inc., 800-804 Woodswether Road, Kansas City, Mo., for: Abortion mixed bacterin (equine):

anthrax bacterin; antianthrax serum; anticalf-scour serum; anticanine-distemper serum (homologous); antihemorrhagic-septicemia serum; antismine-erysipelas serum; autogenous bacterin; avian hemorrhagic-septicemia bacterin; avian tuberculin; blackleg aggressin; blackleg bacterin; bovine-abortion vaccine; canine-distemper antigen; canine staph-strep bacterin; enteritis bacterin (swine); fowl-typhoid mixed bacterin; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia bacterin; influenza mixed bacterin (equine); keratitis mixed bacterin (bovine); mallein; mastitis mixed bacterin (bovine); metritis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (canine); mixed bacterin (cuniculi); mixed bacterin (equine); mixed bacterin (ovine); mixed bacterin (swine); navel-ill mixed bacterin (equine); normal horse serum; polyvalent mixed bacterin (equine); pullorin; pulmonary mixed bacterin (bovine); pulmonary mixed bacterin (swine); rabies vaccine; roup bacterin; tetanus antitoxin; tetanus toxoid; tuberculin; and white-scour mixed bacterin (bovine).

License no. 202 was issued March 2, 1933, to the Colorado Springs Vaccine Laboratories, Inc., one-half mile north on the Denver-Colorado Springs Highway, Colorado Springs, Colo., for: Blackleg aggressin (cultural); and mixed bacterin (ovine). (This license was terminated on March 21, 1933, as indicated under "Licenses Terminated.")

License no. 202 was issued March 21, 1933, to the Colorado Springs Vaccine Laboratories, Inc., one-half mile north on the Denver-Colorado Springs Highway, Colorado Springs, Colo., for: Abortion vaccine (bovine); blackleg aggressin (cultural); blackleg aggressin (natural); calf-scour mixed bacterin; hemorrhagic-septicemia aggressin; hemorrhagic-septicemia bacterin; influenza mixed bacterin (equine); keratitis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (ovine); and mixed bacterin (porcine).

License no. 202 was issued April 18, 1933, to the Colorado Springs Vaccine Laboratories, one-half mile north on the Denver-Colorado Springs Highway, Colorado Springs, Colo., for: Mastitis mixed bacterin (bovine).

License no. 203 was issued March 6, 1933, to the Johnson Laboratories, 612-614 West Twentieth Street, Kansas City, Mo., for: Mastitis mixed bacterin (bovine); mixed bacterin (canine); mixed bacterin (cuniculi); staph-strep bacterin (canine). (This license was terminated on April 7, 1933, as indicated under "Licenses Terminated.")

License no. 203 was issued April 20, 1933, to the Johnson Laboratories, 2030½ Broadway, Kansas City, Mo., for: Abortion mixed bacterin (equine); abortion vaccine (bovine); autogenous bacterin; avian hemorrhagic-septicemia bacterin; enteritis bacterin (swine); fowl-typhoid bacterin; hemorrhagic-septicemia bacterin; keratitis mixed bacterin (bovine); mastitis mixed bacterin (bovine); metritis mixed bacterin (bovine); mixed bacterin (avian); mixed bacterin (bovine); mixed bacterin (canine); mixed bacterin (cuniculi); mixed bacterin (ovine); mixed bacterin (swine); pulmonary mixed bacterin (bovine); pulmonary mixed bacterin (swine); and roup bacterin.

#### LICENSES TERMINATED MARCH AND APRIL 1933

Licenses no. 3, issued March 13, 1931, March 20, 1931, and January 21, 1933, to H. K. Mulford Co., Glenolden, Pa. and Philadelphia, Pa., were terminated April 12, 1933, because of the discontinuance of production of antihemorrhagic-septicemia serum (bovine); antihemorrhagic-septicemia serum (equine); bovine-abortion bacterin; bovine-abortion serobacterin; and because of a change in firm name as previously indicated.

Licenses no. 4, issued April 2, 1932, August 23, 1932, and August 31, 1932, to the Abbott Laboratories, North Chicago, Ill., were terminated on March 21, 1933, because of the discontinuance of production of abortion bacterin (bovine); joint-ill mixed bacterin (equine); staphylo-bacterin (canine); and white-scour mixed bacterin (bovine).

Licenses no. 6-A, issued February 28, 1931, July 21, 1931, January 14, 1932, February 12, 1932, and February 23, 1933, to Pitman-Moore Co., Division of Allied Laboratories, Inc., Zionsville, Ind., were terminated March 24, 1933, because of the discontinuance of production of abortion mixed bacterin (bovine), and a change in name of fowl-cholera typhoid mixed bacterin to fowl-cholera typhoid bacterin.

Licenses no. 9, issued December 2, 1931, January 25, 1932, and July 15, 1932, to the Lederle Laboratories, Inc., Pearl River, N.Y., were terminated April 7, 1933, because of the discontinuance of production of abortion vaccine (bovine) (killed organisms).



License no. 17, issued November 25, 1932, to the Beebe Laboratories, Inc., St. Paul, Minn., was terminated March 24, 1933, because of the discontinuance of production of abortion bacterin mixed (bovine), and abortion mixed bacterin (swine).

License no. 21, issued April 3, 1931, to the Continental Serum Laboratories Co., Muscatine, Iowa, was terminated April 4, 1933, because of the discontinuance of production of abortion bacterin (bovine).

Licenses no. 34, issued February 8, 1931, July 7, 1931, August 1, 1931, March 15, 1932, and September 16, 1932, to the Peters Serum Co., Kansas City, Mo., were terminated April 4, 1933, because of the discontinuance of production of abortion bacterin (bovine).

Licenses no. 41, issued January 30, 1931, and February 16, 1932, to the Kinsley Laboratories, Kansas City, Mo., and Kansas City, Kans., were terminated April 4, 1933, because of the discontinuance of production of abortion bacterin (bovine); abortion mixed bacterin (swine); and enteritis bacterin (swine).

Licenses no. 52, issued May 14, 1931, March 5, 1932, and October 11, 1932, to The Cutter Laboratory, Berkeley, Calif., were terminated April 14, 1933, because of the discontinuance of production of *Bacillus abortus* bacterin (bovine); blackleg aggrassin; and blackleg filtrate.

Licenses no. 107, issued January 15, 1932, and February 19, 1932, to The Jensen-Salsbery Laboratories, Inc., Kansas City, Mo., and Kansas City, Kans., were terminated April 15, 1933, because of the discontinuance of production of anticanine-distemper serum (homologous); bovine-abortion bacterin; bovine-abortion bacterin (mixed); fowl-typhoid bacterin; mixed bacterin (swine); streptococcus bacterin (equine); and swine-abortion bacterin (mixed).

Licenses no. 112, issued June 12, 1931, July 27, 1931, and January 17, 1933, to the Fort Dodge Serum Co., Inc., Fort Dodge, Iowa, were terminated on April 24, 1933, because of the discontinuance of production of abortion bacterin (bovine); abortion mixed bacterin (bovine); and abortion mixed bacterin (swine).

Licenses no. 124, issued January 1, 1921, February 11, 1930, May 26, 1930, and March 9, 1933, to the Anchor Serum Co., South St. Joseph, Mo., were terminated on March 20, 1933, because of the discontinuance of production of abortion mixed bacterin (bovine).

License no. 133, issued October 2, 1930, to The National Vaccine and Serum Co., Colorado Springs, Colo., was terminated March 21, 1933, because of the discontinuance of production of abortion mixed bacterin (bovine).

License no. 148, issued October 13, 1930, to the W. F. Straub Laboratories, Inc., Chicago, Ill., was terminated March 20, 1933, because of the discontinuance of production of bovine-abortion bacterin; bovine-abortion mixed bacterin; swine-abortion mixed bacterin; and fowl-cholera and typhoid mixed bacterin.

License no. 158, issued November 9, 1932, to the Globe Laboratories, Fort Worth, Tex., was terminated April 7, 1933, because of the discontinuance of production of abortion bacterin (bovine); and abortion mixed bacterin (swine).

License no. 162, issued May 25, 1931, to the Monarch Biological Laboratories, Kansas City, Mo., was terminated April 18, 1933, because of the discontinuance of production of abortion bacterin (bovine); abortion mixed bacterin (bovine); abortion mixed bacterin (swine); abortion vaccine (bovine); blackleg filtrate; bronchisepticus bacterin (canine); canine staphylococcus bacterin; and streptococcus bacterin (equine); and because of temporary suspension of production of all other products.

License no. 164, issued December 1, 1930, to the J. F. DeVine Laboratories, Inc., Goshen, N.Y., was terminated March 20, 1933, because of the discontinuance of production of bovine-abortion bacterin (mixed).

Licenses no. 180, issued April 24, 1931, and May 7, 1931, to the Klusmire Biologic Laboratories, Omaha, Nebr., were terminated March 20, 1933, because of the discontinuance of production of bovine-abortion mixed bacterin and swine-abortion mixed bacterin.

Licenses no. 189, issued May 13, 1931, and February 6, 1933, to the Norden Laboratories, Lincoln, Nebr., were terminated March 20, 1933, because of the discontinuance of production of abortion mixed bacterin (bovine) and abortion mixed bacterin (swine).

License no. 190, issued June 9, 1931, to the National Drug Co., Philadelphia, Pa., was terminated April 19, 1933, because of the discontinuance of production of abortion bacterin (bovine) and abortion mixed bacterin (bovine).

Licenses no. 191, issued January 3, February 16, May 31, November 20, 1928, December 18, 1929, March 21, April 28, November 19, 1930, March 2, 1932, January 24, and February 21, 1933, to Ashe Lockhart, Inc., Kansas City, Mo., were terminated March 22, 1933, because of the discontinuance of production of



abortion bacterin (bovine); abortion mixed bacterin (bovine); abortion mixed bacterin (swine); fowl-typhoid bacterin; and mixed bacterin (equine).

Licenses no. 202, issued June 25, 1932, August 5, 1932, August 22, 1932, November 28, 1932, and March 2, 1933, to The Colorado Springs Vaccine Laboratories, Inc., Colorado Springs, Colo., were terminated March 21, 1933, because of the discontinuance of production of mixed abortion bacterin (bovine), and blackleg aggressin.

Licenses no. 203, issued October 14, November 4, November 22, December 12, 1932, and March 6, 1933, to the Johnson Laboratories, Kansas City, Mo., were terminated April 7, 1933, because of the discontinuance of production of abortion mixed bacterin (bovine) and a change in location of establishment.

### CORRECTED LISTING OF BIOLOGICAL PRODUCTS

Reference is made to the report on biological products other than anti-hog-cholera serum and hog-cholera virus produced by licensed establishments during calendar year ended December 31, 1932, appearing in the February, 1933, Service and Regulatory Announcements. Certain figures for doses of diagnostic agents, though correct, appear as totals rather than as subtotals and are given in correct form herewith.

Diagnostic Agents		Doses	
Tuberculin (intradermic)-----	1, 862, 385		
Tuberculin (ophthalmic)-----	307, 710		
Tuberculin (subcutaneous)-----	45, 777		
Total-----			2, 215, 872
Tuberculin (avian)-----			237, 613
Mallein (intradermic)-----	9, 605		
Mallein (ophthalmic)-----	53, 550		
Mallein (subcutaneous)-----	3, 258		
Total-----			66, 413
Johnin-----			3, 057
Pullorin-----			1, 407, 750
Total-----			3, 930, 705

### PROCEEDINGS UNDER THE PACKERS AND STOCKYARDS ACT

*Docket No. 403.*—In re Maysville Stockyards Co., market agency and dealer, Maysville, Ky. The Acting Secretary of Agriculture, on October 7, 1932, issued an inquiry alleging that respondent had violated the packers and stockyards act in that it had failed, neglected, and refused to execute and maintain a reasonable bond to suitable trustees to secure the performance of its obligations incurred as a market agency and dealer. A hearing was held on January 7, 1933. Subsequent to the hearing, the respondent submitted a trust fund agreement in lieu of a bond. Respondent was ordered, on April 8, 1933, to cease and desist from doing business as a market agency and dealer without executing and maintaining a reasonable bond to secure the performance of its obligations, or without submitting some other form of indemnity which would afford substantially equivalent protection.

*Docket No. 413.*—In re Farmers Livestock Commission Co., market agency and dealer, Lafayette, Ind. The Acting Secretary of Agriculture, on March 21, 1933, issued an inquiry, alleging that respondent had violated the packers and stockyards act in that it had neglected and refused to execute and maintain a reasonable bond to suitable trustees to secure the performance of its obligations incurred as a market agency and dealer. Under date of March 24, 1933, respondent acknowledged service of the order of inquiry, admitted the truth of the matters and things therein alleged, and waived a hearing thereon. On April 25, 1933, respondent was suspended from registration as a market agency and dealer for a period of 6 months with leave during said period to apply for a revocation of this suspension upon showing, to the satisfaction of the Secretary, that it has filed a reasonable bond to secure its obligations, or submitted some other form of indemnity which would afford substantially equivalent protection. Respondent was also ordered to cease and desist from doing business as a market agency and dealer without executing and maintaining a reasonable bond.

## RESULTS OF PROSECUTIONS FOR VIOLATIONS OF LAWS

Penalties and fines have been imposed in prosecutions for violations of regulatory laws, as reported to the Bureau, as follows:

### Twenty-Eight Hour Law

International-Great Northern Railroad Co., \$100 penalty.  
Missouri Pacific Railroad Co., \$100 penalty.  
Pennsylvania Railroad Co., \$100 penalty.

### Livestock Quarantine Law

Ell Brown, Lexie, Miss., interstate transportation of one cow from Mississippi into Louisiana without prior tuberculin test, \$100 fine (suspended).

### Meat Inspection Law

Beacon Beef Co., Inc., Boston, Mass., for offering uninspected meat for interstate shipment, \$50 fine.

Goodwill Market, Inc., Brooklyn, N.Y., for offering meats cured and smoked without Federal inspection for interstate shipment, \$50 fine.

## NEW PUBLICATIONS OF THE BUREAU

[The Bureau keeps no mailing list for sending publications to individual employees but sends copies to officers in charge of stations and offices. These publications should be regarded as notification copies. So far as possible additional copies will be furnished on request.]

Farmers' Bulletin 1409 (revised). Turkey Raising. By Stanley J. Marsden and A. R. Lee, Animal Husbandry Division. Pp. 38, figs. 23.

Farmers' Bulletin 1155 (slightly revised). Diseases of Sheep. By Bernard A. Gallagher, Pathological Division. Pp. 30, figs. 5.

Farmers' Bulletin 1422 (slightly revised). Udder Diseases of Dairy Cows. By Hubert Bunyea, Pathological Division. Pp. 14, figs. 6.

Farmers' Bulletin 1699. Growing Root Crops for Livestock. By H. L. Westover, and H. A. Schoth, Bureau of Plant Industry, and A. T. Semple, Animal Husbandry Division, Bureau of Animal Industry. Pp. 12, fig. 1.

Amendment 9 to B.A.I. Order 337. Declaring Names of Counties Placed in Modified Accredited Area for Tuberculosis. Effective April 1, 1933. P. 1, mimeographed.

## ORGANIZATION OF THE BUREAU OF ANIMAL INDUSTRY

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